



County of San Diego

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**DEPARTMENT OF ENVIRONMENTAL HEALTH
COMMUNITY HEALTH DIVISION**

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JACK MILLER
ASSISTANT DIRECTOR

July 23, 2008

TO: Debbie Bailey, Real Estate Project Manager
Real Estate Services Division
Department of General Services

FROM: Michael Dorsey, Chief
Community Health Division
Department of Environmental Health

**PRE-DEMOLITION ASBESTOS/LEAD SURVEY: LINCOLN ACRES LIBRARY, 2717
GRANGER AVENUE, NATIONAL CITY**

The attached electronic staff report provides results of the above referenced project. The report specifies recommendations to reduce/eliminate any identified problems.

If you have further questions, or desire a hard copy of this report and are unable to print from the electronic format, please contact Mark Middlestead, Industrial Hygienist at (858) 694-2118 or e-mail mark.middlestead@sdcounty.ca.gov.

MICHAEL DORSEY, Chief
Community Health Division
Department of Environmental Health

MD: mm: 0708-208 linlib.doc

Attachment

cc: enrique.cesena@sdcounty.ca.gov
mark.middlestead@sdcounty.ca.gov



COUNTY OF SAN DIEGO

INTER-DEPARTMENTAL CORRESPONDENCE

July 23, 2008

TO: Dan Tappen, Supervising Industrial Hygienist
Occupational Health Program

FROM: Mark Middlestead, Industrial Hygienist II
Occupational Health Program

PRE-DEMOLITION ASBESTOS/LEAD SURVEY: LINCOLN ACRES LIBRARY, 2717 GRANGER AVENUE, NATIONAL CITY

SUMMARY

Subsequent to a request from Debbie Bailey, Real Estate Project Manager, Department of General Services (DGS), I conducted an asbestos and lead survey of the Lincoln Acres Library/Community Center which is scheduled for demolition. The building is located at 2717 Granger Avenue in National City.

The gold/yellow linoleum and gray/black roof mastic tested positive for asbestos. All of the remaining sampled materials from the structure tested negative for asbestos. None of the interior or exterior components on the structure were found to contain lead at "high" concentrations [i.e. >1.0 milligrams per square centimeter (mg/cm²)]. These surfaces should be assumed to contain lead at lower concentrations.

For more detailed information, please see the DISCUSSION and RECOMMENDATIONS sections that follow.

DISCUSSION

OHP was requested by Ms. Bailey to perform an asbestos and lead survey on the Lincoln Acres Library/Community Center located at the above-mentioned addresses. On July 3, 2008, I conducted an inspection of the site; a brief description follows:

The property contains a single story structure that is divided into a Library and Community Center. A lay-out of the structure is provided as Attachment 1. The structure has wood frame construction with a stucco exterior and multi-layered composition roof shingles. There did not appear to be any blown in attic insulation. Moreover, the water pipes did not appear to be insulated. The interior walls of the building consisted of wood, fiberboard, drywall and plaster. The ceiling consisted

primarily of wood and drywall. 1'x1' gray floor tile was identified in the Community Center. Gold/yellow linoleum and 1'x1' beige floor tile was identified in the library.

Asbestos

OHP collected samples of suspect materials for asbestos analysis from the structure. EMS Laboratories (EMS) performed the analysis. The gold/yellow linoleum (Library hallway & restrooms) and gray/black roof mastic located around penetrations on the roof tested positive for asbestos. All of the other sampled materials tested negative for asbestos. A summary of the analytical results are provided in the Asbestos Bulk Sample Result Report (Attachment 2).

The gold/yellow linoleum is considered friable and must be removed prior to demolition activities. The gray/black roof mastic is considered non-friable and should be removed prior to demolition.

Lead

The lead samples were analyzed using a Niton XL X-ray Fluorescence Analyzer (XRF). An XRF is a direct reading instrument that can detect lead at "high" concentrations. The instrument measures and expresses a lead concentration in mg/cm^2 . According to the Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing, a sample containing $1.0 \text{ mg}/\text{cm}^2$ or greater is considered to be a LBP ("high" concentration). However, readings less than $1.0 \text{ mg}/\text{cm}^2$ could have lead present in lower concentrations that might cause employee exposure during aggressive removal.

OHP analyzed various colors of paint and components on the interior and exterior of the structures. None of the painted surfaces contain lead in "high" concentrations. However, these surfaces should be assumed to contain lead at lower concentrations. A list of all of the results analyzed by OHP is located in Attachment 3.

Lead has a stringent Cal/OSHA permissible exposure limit (PEL) as well as other requirements. These requirements are found in Title 8, California Code of Regulations (T8CCR), Section 1532.1, and do not specify the concentration of lead in material below, which the standard does not apply.

RECOMMENDATIONS

General

1. The County must inform all contractors or affected County personnel of the results of this survey. A copy of this survey should be provided as part of the bid proposal package. This document will assist the selected Contractor in taking appropriate precautions (e.g. training, personal protective equipment, exposure monitoring etc.) to protect their workers from asbestos and lead hazards. Cal/OSHA has specific regulations pertaining to these types of hazards, and contractors have the responsibility of protecting their workers.

2. The Contractor must take measures to prevent exposure to County property, County employees and the public. DPW should determine an appropriate mechanism to keep the public and unauthorized County personnel out of the work zones (e.g. site security, barrier etc.).
3. The County of San Diego has adopted a C&D recycling ordinance which may impact this project. For further information of this ordinance, contact Wayne Williams, Waste Planning & Recycling Program Coordinator, DPW at (858) 874-4108.
4. The Contractor is responsible for complying with all Cal/OSHA requirements (including the Asbestos and Lead in Construction Standards) and Cal/EPA requirements regarding waste disposal.
5. This survey addressed only those suspect building materials that were accessible. If other suspect ACM or LBP not tested as part of this survey are discovered during the course of work activities, stop work. Contact OHP in order that the suspect material(s) can be identified before proceeding on with any activities.
6. If any new structures are built, all building materials must be specified to be non-ACM and non-LBP.

Asbestos

7. The gold/yellow linoleum must be removed prior to demolition activities. The gray/black roof mastic should be removed prior to general demolition activities.
8. An Asbestos Work Plan must be developed by the selected contractor and submitted to OHP for review prior to the start of work.
9. An asbestos abatement contractor who is registered with Cal/OSHA to perform asbestos-related work must perform ACM removal activities. Cal/OSHA requirements for removal work and other applicable regulations pertaining to ACM must be followed during construction.
10. An on-site asbestos/lead consultant should monitor work activities where ACM's are disturbed. Inspection of pre-existing conditions, verification of proper set-up, and on-site project surveillance help to ensure appropriate methods are being utilized to prevent exposure to the public, county employees, and property. OHP can provide on-site project surveillance activities if the existing IA is increased to cover time and sampling costs associated with the project.
11. Notification must be made to Cal/OSHA and the APCD prior to asbestos-related and demolition activities.
12. The linoleum is friable and must be disposed of as hazardous waste. The roof mastic is considered non-friable and can be disposed of as non-hazardous waste so long as it remains that way.

Lead

13. The Contractor should assume that those surfaces that did not contain "high" concentrations of lead, contain lead at lower levels, and protect their employees accordingly. The Contractor should be aware that due to the unknown painting and remodeling history of the buildings, small patches of "high" concentration LBP may be present that were not identified in this survey.

For paint disturbing activities on "low" concentration components, general precautions must be taken to minimize the release of chips, dust and debris to the ground surface, vegetation, and inside the buildings.

If you have any questions, please contact me.



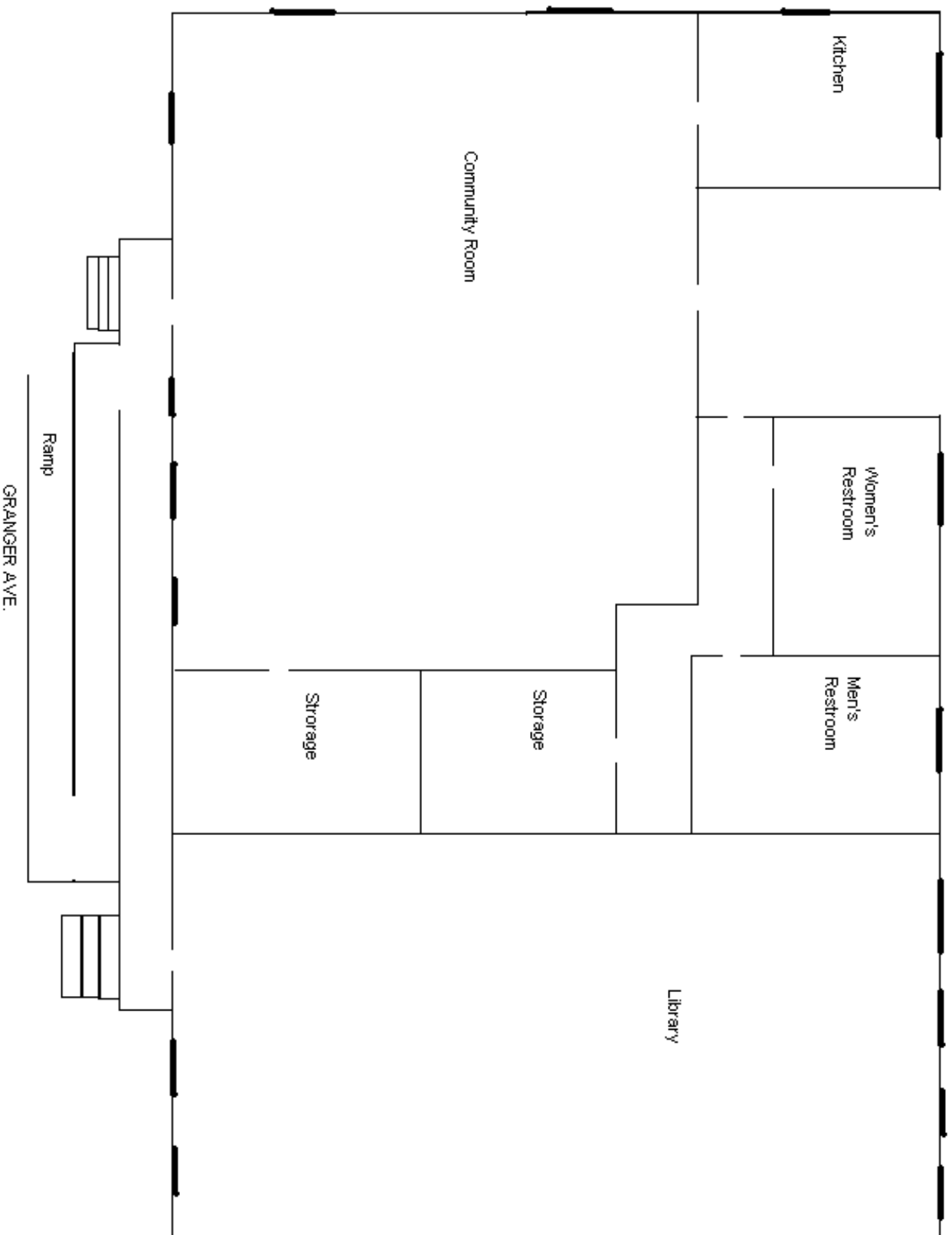
MARK MIDDLESTEAD, Industrial Hygienist II
Occupational Health Program

mm: 0708-208 linlib.doc
Attachments

Lincoln Acres Library

Notes:

1. No attic insulation
2. No insulated pipes
3. FT throughout Community Room over wood
4. CR: Wood, Plaster & Drywall
5. Library: Linoleum in hallway and restrooms
6. FT in library and storage



Asbestos Bulk Sample Report

Sampling Location:

Lincoln Acres Park & Library
2717 Granger Avenue, National City

Collected By: Mark Middlestead

Project #: 0708-208

Date Collected	Field Sample#	Material Description	Sample Location	Material Location	Asbestos Content and Type	Friable	Analysis Type
<u>Lincoln Acres Library / Community Center</u>							
03-Jul-08	LinLib-09	Baseboard	Community Room	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-19	Baseboard	Hallway	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-01	Drywall	Community Room Storage	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-02	Drywall	Community Room	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-03	Drywall	Community Room	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-14	Drywall	Library Attic	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-15	Drywall	Library	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-16	Drywall	Library	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-18	Floor Covering - Linoleum Gold/Yellow	Men's Restroom	Library Hallway & Restrooms	25 % Chrysotile	Yes	PLM
03-Jul-08	LinLib-20	Floor Covering - Tile 1'x1' Beige FT	Library Storage	Library	ND	N/A	XRD
03-Jul-08	LinLib-12	Floor Covering - Tile 1'x1' Gray FT	Community Room Storage	Throughout Community Room	ND	N/A	XRD
03-Jul-08	LinLib-07	Joint Tape/Mud	Community Room Storage	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-08	Joint Tape/Mud	Community Room	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-17	Joint Tape/Mud	Men's Restroom	Library/Comm. Room	ND	N/A	PLM

ND-None Detected; N/A-Not Applicable; PLM-Polarized Light Microscopy; XRD-X-Ray Diffraction; TEM-Transmission Electron Microscopy; SEM-Scanning Electron Microscopy. Asbestos Types include: Chrysotile, Amosite, Crocidolite, Actinolite, Tremolite, and Anthophyllite. The detection limit is between 1/10 to 1 percent by area and is dependent on the size of the asbestos fibers and the matrix of the sampled material. Trace - Asbestos was identified in sample; concentration less than quantitation limit of 1%. Vinyl, foam, plastic, and fine powder samples may contain asbestos fibers of such small diameter that these fibers cannot be detected by PLM. For such samples, more sensitive analytical methods, e.g. XRD, TEM, and SEM, are recommended if greater certainty about asbestos content is required.

Asbestos Bulk Sample Report

Sampling Location:

Lincoln Acres Park & Library
2717 Granger Avenue, National City

Collected By: Mark Middlestead

Project #: 0708-208

Date Collected	Field Sample#	Material Description	Sample Location	Material Location	Asbestos Content and Type	Friable	Analysis Type
03-Jul-08	LinLib-20M	Mastic/Glue 1'x1' Beige FT	Library Storage	Library	ND	N/A	PLM
03-Jul-08	LinLib-09M	Mastic/Glue Baseboard	Community Room	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-19M	Mastic/Glue Baseboard	Hallway	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-26	Mastic/Glue Roof	Roof	Library/Comm. Room	3 % Chrysotile	No	PLM
03-Jul-08	LinLib-12M	Mastic/Glue 1'x1' Gray FT	Community Room Storage	Throughout Community Room	ND	N/A	PLM
03-Jul-08	LinLib-13	Other Fiberboard	Library Storage	Library	ND	N/A	PLM
03-Jul-08	LinLib-11	Paper Black	Community Room Attic	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-04	Plaster	Community Room Kitchen	Community Room Kitchen	ND	N/A	PLM
03-Jul-08	LinLib-05	Plaster	Community Room Kitchen	Community Room Kitchen	ND	N/A	PLM
03-Jul-08	LinLib-06	Plaster	Community Room Kitchen	Community Room Kitchen	ND	N/A	PLM
03-Jul-08	LinLib-25	Roofing Material Shingles (core)	Roof	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-21	Stucco	Exterior	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-22	Stucco	Exterior	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-23	Stucco	Exterior	Library/Comm. Room	ND	N/A	PLM
03-Jul-08	LinLib-24	Stucco	Exterior	Library/Comm. Room	ND	N/A	PLM

ND-None Detected; N/A-Not Applicable; PLM-Polarized Light Microscopy; XRD-X-Ray Diffraction; TEM-Transmission Electron Microscopy; SEM-Scanning Electron Microscopy. Asbestos Types include: Chrysotile, Amosite, Crocidolite, Actinolite, Tremolite, and Anthophyllite. The detection limit is between 1/10 to 1 percent by area and is dependent on the size of the asbestos fibers and the matrix of the sampled material. Trace - Asbestos was identified in sample; concentration less than quantitation limit of 1%. Vinyl, foam, plastic, and fine powder samples may contain asbestos fibers of such small diameter that these fibers cannot be detected by PLM. For such samples, more sensitive analytical methods, e.g. XRD, TEM, and SEM, are recommended if greater certainty about asbestos content is required.

Lead-Based Paint Sample Report

Sampling Location:

Lincoln Acres Park & Library
2717 Granger Avenue, National City

Collected By: Mark Middlestead

Project #: 0708-208

Date Collected	Sample#	Material Description	Sample Location	Condition	XRF Reading (mg/cm2)	LBP?
<u>Lincoln Acres Library / Community Center</u>						
03-Jul-08	LL-01L	Olive Green Wood Ramp "Skirt"	Exterior	Fair	0.00	No
03-Jul-08	LL-01L	Olive Green Wood Ramp "Skirt"	Exterior	Fair	0.00	No
03-Jul-08	LL-02L	Olive Green Wood Ramp (2'x6')	Exterior	Fair	0.00	No
03-Jul-08	LL-03L	Mauve Wood Ramp (2'x6')	Exterior	Fair	0.00	No
03-Jul-08	LL-04L	Mauve Wood Post (4"x4")	Exterior	Fair	0.00	No
03-Jul-08	LL-05L	Olive Green Concrete Floor	Exterior	Fair	0.00	No
03-Jul-08	LL-06L	Mauve Concrete Handrail	Exterior	Fair	0.00	No
03-Jul-08	LL-07L	Green Metal Front Door	Exterior Library	Fair	0.01	No
03-Jul-08	LL-08L	Green Metal Front Door Casing	Exterior Library	Fair	0.00	No
03-Jul-08	LL-09L	Green Metal Front Door Hinge	Exterior Library	Fair	0.00	No
03-Jul-08	LL-100L	Green Wood Window Casing	Exterior	Fair	0.00	No
03-Jul-08	LL-10L	Green Metal Window Security Screen	Exterior Library	Fair	0.01	No
03-Jul-08	LL-11L	Green Wood Window Casing	Exterior Library	Poor	0.00	No
03-Jul-08	LL-12L	Olive Green Wood Tread	Exterior	Fair	0.00	No
03-Jul-08	LL-13L	Tan Stucco Wall	Exterior	Fair	-0.1	No
03-Jul-08	LL-14L	Tan Stucco Wall	Exterior	Fair	-0.3	No
03-Jul-08	LL-15L	Tan Stucco Wall	Exterior	Fair	0.00	No
03-Jul-08	LL-16L	Tan Stucco Wall	Exterior	Fair	0.00	No
03-Jul-08	LL-17L	Green Metal Window Security Screen	Exterior Community Room	Fair	0.00	No
03-Jul-08	LL-18L	Green Wood Window Casing	Exterior Community Room	Poor	0.00	No
03-Jul-08	LL-19L	Brown Stucco Wall	Exterior	Fair	-0.8	No

A Niton XL XRF was used to measure lead on specific building components expressing a lead concentration in milligram per square centimeter (mg/cm2). According to the HUD Guidelines, a sample containing 1.0 mg/cm2 or greater is considered to be a LBP ("high" concentration). However, readings less than 1.0 mg/cm2 could have lead present in lower concentrations that might cause employee exposure during aggressive removal. If a painted surface was not tested, it should be assumed to be a high LBP surface until tested. Any building component similar to the building components identified as LBP above should be treated as LBP.

Lead-Based Paint Sample Report

Sampling Location:

Lincoln Acres Park & Library
2717 Granger Avenue, National City

Collected By: Mark Middlestead

Project #: 0708-208

Date Collected	Sample#	Material Description	Sample Location	Condition	XRF Reading (mg/cm2)	LBP?
<u>Lincoln Acres Library / Community Center</u>						
03-Jul-08	LL-20L	Brown Stucco Wall	Exterior	Fair	-0.3	No
03-Jul-08	LL-21L	Brown Stucco Wall	Exterior	Fair	0.01	No
03-Jul-08	LL-22L	Brown Stucco Wall	Exterior	Fair	-0.7	No
03-Jul-08	LL-23L	Green Wood Fascia	Exterior	Fair	0.00	No
03-Jul-08	LL-24L	Green Wood Eave	Exterior	Fair	0.00	No
03-Jul-08	LL-25L	Yellow Wood Wall	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-26L	Yellow Wood Wall	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-27L	Yellow Wood Wall	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-28L	Yellow Wood Wall	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-29L	White Wood Window Ledge	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-30L	White Wood Window Casing	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-31L	White Wood Window Ledge	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-32L	White Wood Window Casing	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-33L	White Wood Window Ledge	Interior Community Room - Kitchen	Fair	0.00	No
03-Jul-08	LL-34L	White Wood Window Casing	Interior Community Room - Kitchen	Fair	0.00	No
03-Jul-08	LL-35L	Tan Wood Cabinet	Interior Community Room - Kitchen	Fair	0.00	No
03-Jul-08	LL-36L	Tan Wood Cabinet	Interior Community Room - Kitchen	Fair	0.00	No
03-Jul-08	LL-37L	Yellow Plaster Wall	Interior Community Room - Kitchen	Fair	0.00	No
03-Jul-08	LL-38L	Yellow Plaster Wall	Interior Community Room - Kitchen	Fair	0.1	No
03-Jul-08	LL-39L	Yellow Plaster Wall	Interior Community Room - Kitchen	Fair	0.13	No
03-Jul-08	LL-40L	Yellow Plaster Wall	Interior Community Room - Kitchen	Fair	0.00	No

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Lead-Based Paint Sample Report

Sampling Location:

Lincoln Acres Park & Library
2717 Granger Avenue, National City

Collected By: Mark Middlestead

Project #: 0708-208

Date Collected	Sample#	Material Description	Sample Location	Condition	XRF Reading (mg/cm2)	LBP?
<u>Lincoln Acres Library / Community Center</u>						
03-Jul-08	LL-41L	Yellow Plaster Ceiling	Interior Community Room - Kitchen	Fair	0.1	No
03-Jul-08	LL-42L	White Wood Pass Thru Window Casing	Interior Community Room - Kitchen	Fair	0.05	No
03-Jul-08	LL-43L	White Wood Pass Thru Window Trim	Interior Community Room - Kitchen	Fair	0.01	No
03-Jul-08	LL-44L	White Wood Door	Interior Community Room - Kitchen	Fair	0.00	No
03-Jul-08	LL-45L	White Wood Door Casing	Interior Community Room - Kitchen	Fair	0.00	No
03-Jul-08	LL-46L	White Wood Door Trim	Interior Community Room - Kitchen	Fair	0.02	No
03-Jul-08	LL-47L	White Metal Door	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-48L	White Metal Door Casing	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-49L	White Metal Door Trim	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-50L	White Wood Ceiling Cross Beam (2'x4')	Interior Community Room	Fair	0.2	No
03-Jul-08	LL-51L	White Wood Ceiling Cross Beam (2'x4')	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-52L	White Wood Ceiling Cross Beam (2'x4')	Interior Community Room	Fair	0.3	No
03-Jul-08	LL-53L	White Wood Wall	Interior Community Room	Intact	0.06	No
03-Jul-08	LL-54L	White Wood Ceiling	Interior Community Room	Fair	0.03	No
03-Jul-08	LL-55L	White Wood Ceiling	Interior Community Room	Fair	0.06	No
03-Jul-08	LL-56L	White Drywall Wall	Interior Community Room	Fair	0.00	No
03-Jul-08	LL-57L	White Metal Door	Interior Community Room - Storage	Fair	0.00	No
03-Jul-08	LL-58L	White Metal Door Casing	Interior Community Room - Storage	Fair	0.00	No
03-Jul-08	LL-59L	Yellow Drywall Wall	Interior Community Room - Storage	Poor	0.05	No
03-Jul-08	LL-60L	Red Wood Firebox	Interior Community Room	Fair	0.03	No
03-Jul-08	LL-61L	Green Metal Rear Door	Interior Library Hallway	Fair	0.00	No

A Niton XL XRF was used to measure lead on specific building components expressing a lead concentration in milligram per square centimeter (mg/cm2). According to the HUD Guidelines, a sample containing 1.0 mg/cm2 or greater is considered to be a LBP ("high" concentration). However, readings less than 1.0 mg/cm2 could have lead present in lower concentrations that might cause employee exposure during aggressive removal. If a painted surface was not tested, it should be assumed to be a high LBP surface until tested. Any building component similar to the building components identified as LBP above should be treated as LBP.

Lead-Based Paint Sample Report

Sampling Location:

Lincoln Acres Park & Library
2717 Granger Avenue, National City

Collected By: Mark Middlestead

Project #: 0708-208

<i>Date</i> <i>Collected</i>	<i>Sample#</i>	<i>Material Description</i>	<i>Sample Location</i>	<i>Condition</i>	<i>XRF Reading</i> <i>(mg/cm2)</i>	<i>LBP?</i>
<u>Lincoln Acres Library / Community Center</u>						
03-Jul-08	LL-62L	Green Metal Rear Door Frame	Interior Library Hallway	Fair	0.00	No
03-Jul-08	LL-63L	Beige Drywall Wall	Interior Library Hallway	Fair	0.00	No
03-Jul-08	LL-64L	Beige Drywall Ceiling	Interior Library Hallway	Fair	0.01	No
03-Jul-08	LL-65L	Beige Metal Door	Interior Library Men's Restroom	Fair	0.00	No
03-Jul-08	LL-66L	Beige Metal Door Casing	Interior Library Men's Restroom	Fair	0.00	No
03-Jul-08	LL-67L	Beige Wood Door	Interior Library Hallway	Fair	0.00	No
03-Jul-08	LL-68L	Beige Wood Door Stop	Interior Library Hallway	Fair	0.00	No
03-Jul-08	LL-69L	Beige Wood Door Casing	Interior Library Hallway	Fair	0.00	No
03-Jul-08	LL-70L	Beige Drywall Wall	Interior Library	Fair	0.17	No
03-Jul-08	LL-71L	Beige Drywall Wall	Interior Library	Fair	0.10	No
03-Jul-08	LL-72L	Beige Drywall Wall	Interior Library	Fair	0.02	No
03-Jul-08	LL-73L	Beige Drywall Wall	Interior Library	Fair	-0.2	No
03-Jul-08	LL-74L	Beige Metal Door	Interior Library	Poor	0.01	No
03-Jul-08	LL-75L	Beige Metal Door Casing	Interior Library	Poor	0.00	No
03-Jul-08	LL-76L	Beige Fiberboard Ceiling	Interior Library	Fair	0.00	No
03-Jul-08	LL-77L	Beige Wood Beam	Interior Library	Fair	0.03	No
03-Jul-08	LL-78L	Beige Wood Column	Interior Library	Fair	0.05	No
03-Jul-08	LL-79L	White Wood Ceiling (2'x4')	Interior Library	Fair	0.11	No
03-Jul-08	LL-80L	White Wood Ceiling (2'x6')	Interior Library	Fair	0.11	No
03-Jul-08	LL-81L	White Wood Ceiling	Interior Library	Fair	0.06	No
03-Jul-08	LL-82L	Beige Wood Window Ledge	Interior Library	Fair	0.00	No

A Niton XL XRF was used to measure lead on specific building components expressing a lead concentration in milligram per square centimeter (mg/cm2). According to the HUD Guidelines, a sample containing 1.0 mg/cm2 or greater is considered to be a LBP ("high" concentration). However, readings less than 1.0 mg/cm2 could have lead present in lower concentrations that might cause employee exposure during aggressive removal. If a painted surface was not tested, it should be assumed to be a high LBP surface until tested. Any building component similar to the building components identified as LBP above should be treated as LBP.

Lead-Based Paint Sample Report

Sampling Location:

Lincoln Acres Park & Library
2717 Granger Avenue, National City

Collected By: Mark Middlestead

Project #: 0708-208

Date Collected	Sample#	Material Description	Sample Location	Condition	XRF Reading (mg/cm2)	LBP?
<u>Lincoln Acres Library / Community Center</u>						
03-Jul-08	LL-83L	Beige Wood Window Ledge	Interior Library	Fair	0.00	No
03-Jul-08	LL-84L	White Wood Rafter Tail	Interior Library Attic	Fair	0.00	No
03-Jul-08	LL-85L	White Wood Rafter Tail	Interior Library Attic	Fair	0.00	No
03-Jul-08	LL-86L	Beige Drywall Wall	Interior Library - Men's Restroom	Fair	0.01	No
03-Jul-08	LL-87L	Beige Drywall Wall	Interior Library - Men's Restroom	Fair	-0.3	No
03-Jul-08	LL-88L	Beige Drywall Wall	Interior Library - Men's Restroom	Fair	0.00	No
03-Jul-08	LL-89L	Beige Drywall Wall	Interior Library - Men's Restroom	Fair	0.00	No
03-Jul-08	LL-90L	Beige Wood Window Ledge	Interior Library - Men's Restroom	Fair	0.00	No
03-Jul-08	LL-91L	Beige Wood Window Casing	Interior Library - Men's Restroom	Fair	0.00	No
03-Jul-08	LL-92L	Green Metal Window Security Screen	Exterior	Fair	0.01	No
03-Jul-08	LL-93L	Green Wood Window Casing	Exterior	Fair	0.01	No
03-Jul-08	LL-94L	Tan Metal Handrail	Exterior	Poor	0.00	No
03-Jul-08	LL-95L	Green Metal Rear Door	Exterior Library	Fair	0.01	No
03-Jul-08	LL-96L	Green Metal Rear Door Casing	Exterior Library	Fair	-0.7	No
03-Jul-08	LL-97L	Green Wood Fascia	Exterior	Fair	0.00	No
03-Jul-08	LL-98L	Green Wood Eave	Exterior	Fair	0.00	No
03-Jul-08	LL-99L	Green Metal Window Security Screen	Exterior	Fair	0.00	No

A Niton XL XRF was used to measure lead on specific building components expressing a lead concentration in milligram per square centimeter (mg/cm2). According to the HUD Guidelines, a sample containing 1.0 mg/cm2 or greater is considered to be a LBP ("high" concentration). However, readings less than 1.0 mg/cm2 could have lead present in lower concentrations that might cause employee exposure during aggressive removal. If a painted surface was not tested, it should be assumed to be a high LBP surface until tested. Any building component similar to the building components identified as LBP above should be treated as LBP.